

ABSTRACT

The claimed invention is a method, system and apparatus is presented for solution-mining of subterranean materials such as trona, nahcolite, thermonatrite, pirssonite, natron, dawsonite, wegscheiderite, gaylussite, shortite, halite, and other salts, minerals, and so forth. The method comprises injecting a fluid into an elbow well, the fluid forming a subterranean mixture with the subterranean material in a single cavity, and collecting the subterranean mixture from the elbow well. The system comprises a means an injector for injecting a fluid into an elbow well, the fluid forming a subterranean mixture with the subterranean material in a single cavity, and a means collector for collecting the subterranean mixture from the elbow well. The apparatus further comprises a production casing, wherein the production casing has a production casing inner diameter of sufficient size to allow for production of a subterranean mixture of the fluid and the subterranean material between an outer surface of the injection tube and an inner surface of the production casing.

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